

PAYYU, Ye.P., setochni.

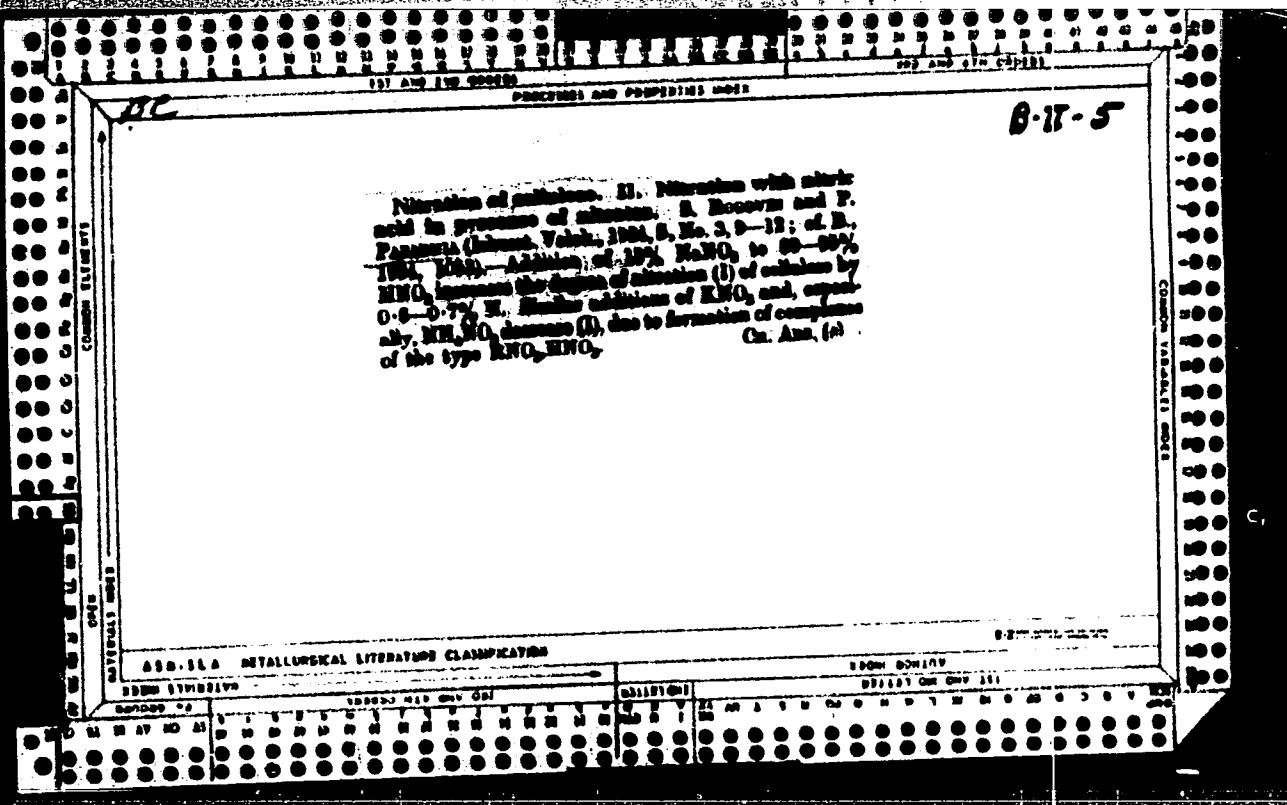
Using vortex cleaners in making paper with long fiberous components.  
Bum.prom. 32 no. 6:22 Je '57. (MLR 1:8)

1. Bumazhnaya fabrika "Kommunar."  
(Papermaking machinery)  
(Separators (Machines))

PAYZANSKIY, V.

Use of high-strength cast iron with globular graphite in ship  
building and repair. Mor. i rech.flot 14 no.5:22-33 My '54.  
(MLRA 7:7)

1. Nachal'nik liteynogo tsekha Kiyevskogo sudostroitel'nogo i  
sudoremontnogo zavoda im. Stalina.  
(Shipbuilding) (Cast iron)



Physics 1000

53-2-8/9

AUTHORS: Koritskiy, V.G., Nalimov, V.V., Nedler, V.V., Payskiy, S.M.  
Rusanov, A.K., Filimonov, L.N.

TITLE: A Short Survey of the Development of the Emission Spectral  
Analysis in the USSR ( Kratkiy ocherk razvitiya emisionnogo  
spektral'nogo analiza v SSSR)

PERIODICAL: Uspekhi Fiz. Nauk, 1957, Vol. 62, Nr 2, pp. 435 - 454 (USSR)

ABSTRACT: A voluminous investigation of the flame spectra from a Bessemer  
converter (bessemerovskiy konvertor), was published in 1876  
by D.K. Chernov. D.K. Chernov furthermore found several inter-  
esting laws with respect to the relation between the flame  
spectrum and certain stages of the Bessemer proces. (bessemerovs-  
kiy protsess). All these laws, however, were of an entirely  
qualitative character. First publications on spectroscopy were  
published in the Soviet Union at the end of the twenties. 1931  
S.G. Landsberg turned his interest towards practical spectral  
analysis, and together with his students he started the systematic  
elaboration of the practical applications of the emission  
spectral analysis. From 1931 to 1950 about 1000 investigations  
were published in the scientific journals of the Soviet Union.  
and this number doubled up to the present. This indicates a

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53-2-8/9

A Short Survey of the Development of the Emission Spectral Analysis in the USSR

very wide range of the research dealing with this subject. The majority of this papers were published in the journal "Zavod-naya laboratoriya" (Plant Laboratory) and "Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya". The first section of this survey deals with apparatus for the spectral analysis. In the machine-building industry spectral analysis is utilized for the control of the casting of iron and non-ferrous metals as well as for the control of semifinished products, single parts and finished production parts. By these means the metals delivered to the plants are also controlled. Spectral analysis was employed to a special degree in the automobile plant "ZIL". In iron metallurgy the spectral analysis is used for the express-analysis of steel during its production and for the final analysis, the so-called "marking analysis". Further possibilities of application in iron metallurgy are enumerated. In the metallurgy of non-ferrous metals and in iron metallurgy as well, the semi quantitative methods of analysis are employed with success. The spectral analysis also makes possible a fast and practically simultaneous determination of the chemical elements contained in the mineral raw materials. There are 13 figures, 3 tables and 75 Slavic references.

Card 2/3

PAYVIN, T.; YEVOLINNO, L.

Supervising airplane flights. Kryl. rod. 8 no.12:18 D '57.

(MIRA 10:12)

1. Komandiry otryadov Novosibirskogo aerokluba.  
(Aeronautics--Study and teaching)

LENARSKIY, I. I. (deceased), DAVYDCH, Yu. G.

Biological value of the proteins of pulse from the point of view of their amino acid content. Biokhim. zdr. i khlebopechi, no. 7, 209-216 '62. (MIRA 17:9)

I. Krasnodarskiy institut pischennoy promyshlennosti.  
Uzhgorodskiy gosudarstvennyy universitet.

PAYYER, Yu., doktor (Chekhoslovatskaya Sotsialisticheskaya Respublika)

Theory of bucket wheels designed with and without chambers.  
Sbor. trud. MISI no.39:101-117 '61. (MIRA 16:4)

(Excavating machinery)

PAYYER, Yu., doktor (Chekhoslovatskaya Sotsialisticheskaya Respublika)

Outlook for improving the manufacture of excavators in  
Czechoslovakia. Sbor. trud. MISI no.39:162-165 '61.  
(MIRA 16:4)

(Czechoslovakia—Excavating machinery)

PAYFERLS, R. [Paierls, R.]

Atomic nuclei. Usp. fiz. nauk 68 no.2:307-321 Je '59.  
(MIRA 12:5)  
(Nuclei, Atomic)

8/058/63/000/003/017/104  
A160/A101

AUTHOR: Payyerls, R. Ye.

TITLE: The main problems in nuclear physics

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 2, abstract 3Y20 (In collection: "Stroyeniye yadra", M., Gosatomizdat, 1962, 7 - 15)

TEXT: Presented is a summary of the problems which are, according to the author's opinion, necessary to be solved for understanding more thoroughly the nuclear structure and the mechanism of nuclear reactions. In particular, a study of the nuclear structure may yield additional information on the nature of the interaction between free nucleons. In this connection, the clarification of the following problem is of interest: are nuclear forces two-particle or multi-particle forces, do these forces depend on velocity?, etc. It is difficult, however, to obtain any detailed concept of the nature of the nuclear forces on the basis of an analysis of the nuclear structure due to the specific features of the problem of many bodies (for instance, in the gas approximation, the properties of the Fermi system are determined by the scattering amplitude - and not

Card 1/2

The main problems in nuclear physics

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A160/A101

by the potential). Discussed are the difficulties which arise in devising the theory of finite nuclei. A critical analysis of the attempts of devising a theory of such nuclei (Bruckner's theory) is given. Emphasized is the particular role of the nucleus surface where the correlation between the position of the nucleons must be most essential and, therefore, a formation of nucleonic groupings is possible. In conclusion, the necessity is noted to more thoroughly substantiate the shell model with the aid of the methods of the theory of many bodies. See also Referativnyj zhurnal, Fizika, 1961, 6B283.

D. Zaretskiy

[Abstracter's note: Complete translation]

Card 2/2

VILUYEV, Nikolay Grigor'yevich; RAKITOV, Daniil Ivanovich; PODREZAN,  
Vladimir Viktorovich; PAYZANSKIY, A.A., red.; INOZEMTSEVA,  
A.I., red.izd-vs; ROMANOVA, V.V., tekhn.red.

[Geodetic operations in construction yards] Geodezicheskie raboty  
na stroitel'noi ploshchadke. Moskva, Izd-vo geod.lit-ry, 1959.  
211 p. (MIRA 12:10)

(Building sites) (Surveying)

LYUTTS, A.F., doktor tekhn.nauk, prof.; PAYZANSKLY, A.A., red.;  
KOMAR'KOVA, L.M., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Laying out large construction projects; basic principles]  
Razbivka krupnykh sooruzhenii; osnovnye polozheniya. Izd.2-e,  
ispr.1 dop. Moskva, Izd-vo geodez.lit-ry, 1957. 255 p.  
(MIRA 11:1)

(Building) (Surveying)

KOCHO, V.S., doktor tekhn. nauk; PAYZANSKIY, L.D.; RESHETNYAK, Yu.S.;  
BOYCHENKO, B.M.

Thermal conditions in an oxygen-blown converter. Met. i  
gornorud. prom. no.4:16-20 Jl-Ag '65. (MIRA 18:10)

1. Kiyevskiy politekhnicheskiy institut (for Kocho, Payzanskiy).
2. Dnepropetrovskiy metallurgicheskiy institut (for Reshetnyak, Boychenko).

KOCHO, V.S., doktor tekhn.nauk; LAPITSKIY, V.I., doktor tekhn.nauk;  
PAJZANSKIY, L.D.; RESHETNYAK, Yu.S.; RUBINSKIY, P.S.;  
DRYSHLYUK, V.M.; KISLYY, P.S.

Measuring the temperature of the metal during the process of  
smelting in a converter with a top oxygen blow. Met. i gornorud.  
prom. no. 2,28-31 Mr-Ap '64. (MIRA 17:9)

PAYZANSKIY, V.

*M. Hoseb* ✓ Use of high-strength iron with globular graphite in construction and repair of ships. V. Payzanskiy. Morskoi i Rechnoi Flot 1954, No. 5, 22-3; Rjefal. Zhur. Khim. 1955, No. 2336.—The production of high-strength Mg iron with globular graphite suitable as replacement of steel and bronze in shipbuilding and maintenance is described.

M. Hoseb

IBRAGIMOV, Sh.T.; KOVAL'CHUK, L.I.: NAYMEN, P.

High-yielding mutant ; produced by  $\text{Co}^{60}$  gamma irradiation of cotton  
plants. Genetika no.1:166-172 1965. (VIZRA 18:10)

1. Institut eksperimental'noy biologii nauchnoy Akademii, Tashkent.

PAYZIYEV, F., IBRAGIMOV, Sh.I., KOVAL'CHUK, R.I.

Effect of plant irradiation on the growth and development of  
cotton. Radiobiologija 5 no.4 593-595 1965. (MIR 1970)

I. Institut genetiki i fiziologii rastenij AN Uzbekskoy SSR,  
Tashkent.

~~PAYZIYEVA, A.~~

Anatomic and morphological structure of the embryo and sprout of  
Cousinia umbrosa Bge, C. pseudoarctium Linn. and Arctium leio-  
spermum Juz. Vest. LGU 17 no.21:148-153 '62. (MIRA 15:12)  
(BOTANY—EMBRYOLOGY)

PAYZIYEVA, S.A.

Longevity of some species of Cousinina Cass. and Arctium L.  
Bot. zhur. 47 no.10:1517-1522 O '62. (MIRA 15:12)

1. Institut botaniki AN Uzbekskoy SSR, Tashkent.  
(Cousinia) (Burdock)  
(Botany--Ecology)

PAYZIYEVA, S.A.

Quantitative and anatomical analysis of rosette and reproductive  
stem leaves of some Cousinia and Arctium species. Uzb. biol. zhur.  
9 no.4:50-52 '65. (MIRA 18:10)

1. Institut botaniki AN UzSSR.

PAYZNER, A.B.; FERMOR, N.A.; LEBEDEV, A.V.

Effect of the plasticity of rubber on the technological properties  
of synthetic latices. Kauch. i rez. 17 no.4:4-5 Ap '58.  
(MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo  
kauchuka im. akademika S.V. Lebedeva.  
(Latex)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239730001-5

PAZ, Edward

Air defense consultation post in the Bielszczyzna Steel Works.  
Przegl techn 86 nr. 110 vol 1 1965.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239730001-5"

PAZAK, A.

Aurel Stodola (1859-1942); a biographic sketch. ;. 547.

ENERGETIKA. Praha, Czechoslovakia. Vol. 7, no. 1 , Oct. 1959.

Monthly list of East European Accessions (EEAI) LC. Vol. 9, no. 2, Feb. 1970  
Uncl.

PAZAR, Laszlo, dr. (Komarom, Temeto u. 11)

It would not have occurred, if .... Auto motor 15 no.22:26 21 N '62.

PAZAR, Miklosne; JOO, Tibor

The five-wheeled mill at Edeleny. Borsod szemle 7 no.4:110-  
111 '63.

1. Miskolci Tervezo Vallalat.

✓ Relation between vitamin C and cellulose in the fig tree  
fruit and leaf during the period of vegetation. Aleksandar  
P. Damaskid, Radmila V. Togolovic, and Elena K. Pazarin-  
evic (Univ. Belgrade). *Bull. soc. chim. Ser. 37*, 101-110  
(1975); cf. *C.A.* 83, 6510j.—Ascorbic acid is most abundant  
in the very young fruits and leaves during rapid formation  
of cellulose and may be more abundant than total reducing  
sugars. It decreases as the tissues mature. J.P.G. [initials]

PAZARINCEVIC, P.K.; BOGOJEVSKI, D.G.; DAMANSKI, A.P.

Studies on vitamin D and so-called pseudovitamin C in beans  
following preservation of short duration. Voj. san. pregl..  
Beogr. 14 no.4:199-201 Apr 57.

(BEANS,  
preserv., eff. on vitamins C & D (Ser))  
(FOOD PRESERVATION,  
beans, eff. on vitamins C & D (Ser))  
(VITAMIN C, determination,  
in beans, eff. of preserv. (Ser))  
(VITAMIN D, determination,  
same))

PAZARINCEVIC, J.

Review of Dr. Aleksandar Jankovic's article "Vitaminizing Green Paprika" published  
in Tehnika, no. 12, 1954, p. 1330

TEHNIKA, Beograd, Vol 10, No. 9, 1955

SO: EKAL, Vol 5, No. 7, July 1956

VASILIEV, R.; PAZARINA V.; SISMAN, E.

Determining some components in Lizadon (Spasmoverin)  
tablets. Rev chimie Min petr 15 no. 3: 163 Mr '64.

1. Institutual pentru controlul de stat al medicamentelor  
si cercetari farmaceutice.

PAZAVIN, V.I., inzh.; GUBERNIN, Yu.B., inzh.

Lining workings with reinforced concrete rod bolting and  
gunite. Gor. zhur. no.5:34-36 My '64. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy gornometallurgicheskiy  
institut tsvetnykh metallov.

PABASH, R. Ya.

1834. The electrical strength of titanates of metals belonging to the second group of the periodic table.--B.M. Vul, I. M. Goldman and R. Ya. Pabash (Zh. Ekspерим. Teoret. Fiziki, 20, 465, 1950). It was found that the electrical strength of meta-titanates of Group II metals is comparatively low, and is but little related to the comp.  $\text{BaTiO}_3$  has a lower strength than that of other titanates. Measurements with  $\text{BaTiO}_3$  have shown that a considerable change of dielectric penetrability has practically no effect on the electric strength. The methods of measuring used as described and results are tabulated and commented upon. The dielectric penetrability of  $\text{BaTiO}_3$  depends on the field intensity. In the temp. region where spontaneous polarization takes place, below the Curie point, the dielectric penetrability increases with increasing field strength up to saturation. Above the Curie point this property diminishes with increasing field intensity. An addition of isomorphous substances to  $\text{BaTiO}_3$  displaces the Curie point towards the region of lower temp. The puncture strength and dielectric penetrability of a mixture of  $\text{BaTiO}_3$  and isomorphous substances (Curie point at  $-15^{\circ}\text{C}.$ ) at various temps. are tabulated. (2 figs., 7 tables.)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239730001-5

PAZASH, A. :A.,  
B. M. VU1., HELPF 20, 45, 1950.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239730001-5"

PTACEK, Milan, inz., CSc; PAZDARAK, Jiri, inz., CSc.

New basic improvement of the color television system. Sdel  
tech 11 no.11: 410-412 N'63.

PAZDERA, Boris, inz.

Controlling and recording apparatus of the course of long-lasting pumping tests. Geol pruzkum 6 no. 6:185 Je '64.

1. Unit of Technical and Economic Development, Brno.

BERKA, Josef, inze.; PAZDERA, Jaroslav

Twenty-two-meter span glued roof truss. Poz stavby 12 no. 9:378-380  
'64.

1. Secondary Industrial School for Building, Prostejov (for Berka).
2. Pozemni stavby Olomouc, Carpentry Plant, Plumlov (for Pazdera).

PAZDERA, O., inz.

Cooperation of an architect on the design of the Trebic  
Sewage Treatment Plant. Vodni hosp 14 no. 3: 3 of cover  
'64.

PAZDERA, O., inz.

Saving water by using the Escher Wyss cooling towers.  
Vodni hosp 14 no. 1:20 '64.

PAZDERA, O.

Construction of central sewage treatment plant for 400,000 people. p. 10

CZECHOSLOVAK HEAVY INDUSTRY. (Ceskoslovenska obchodni komora) Prague,  
Czechoslovakia. No. 5, 1959

Monthly List of "ast European Accessions (EFAI), LC, Vol. 8, No. 7, July 1959  
Uncl.

CZECHOSLOVAKIA

VOKROUHILICKY, L., VAVRA, R., PAZDERKA, J.; Chair of Pathological Physiology, Medical Faculty, Charles University (Katedra Patologické Fysiologie Lek. Fak. KU) Hradec Králové.

"Mechanism of Origin of Toxic Lung Edema."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 76-77

Abstract: Toxic edema was induced in rabbits either by inhalation of diphosgene or by intratracheal administration of N-carboxy anhydride of vanillin. The edema liquid contains the same amounts and type of protein as the rabbit serum; the disappearance of Evans' blue from the circulation system by lung capillaries is increased. The primary mechanism of the poisoning is the increased permeability of lung capillaries. The damage to the capillaries is specific for both substances and occurs soon after their administration. 1 Figure, 5 Western, 1 Czech, 1 Russian reference.  
Submitted at "16 Days of Physiology" at Košice, 30 Sep 65.

PAZDERAK, Jiri, inz., C.Sc.

Perceivable color differences in a television picture. Slaboproudny  
obzor 24 no.2;69-76 F '69.

1. Vyzkumny ustav rozhlasu a televize, Praha.

CZECH/14-~~59~~-3-6/29

6(6)

AUTHOR: Pazderák, Jiří, and Ptáček, Milan, Engineers

TITLE: French Systems of Color Television (Francouzske systémy barevné televise)

PERIODICAL: Sdělovací technika, 1959, Vol 7, Nr 3, pp 88-92 (Czechoslovakia)

ABSTRACT: This article reviews recent developments in French color television. There are 11 diagrams and 4 references, 3 of which are French and 1 English.

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L 10641-65 FMT(1)/7/FED(b)-3 Page 2 IJP(c)/AFW/ASD(g)-5/ECN(gs), ESD(t),  
ELEM(1), SSD

ACCESSION NR: AP4049556

Z/0030/64/000/007/0207/0212

AUTHOR: Pazderak, J. (Engineer, Candidate of sciences)

TITLE: Color distortion in a television slide scanner

SOURCE: Jemna mechanika a optika, no. 7, 1964, 207-212

TOPIC TAGS: television slide scanner, color television, color distortion

Abstract [Author's English summary, modified]: Discussed is the theoretical and experimental determination of color distortion originating in the pick-up system of the color television slide scanner. The color differential resolving power is used as the criterion for evaluating this distortion. Orig. art. has 10 figs., 3 tables and 10 equations

ASSOCIATION: Vyzkumny ustav rozhlasu a televize, Prague (Radio and Television Research Institute)

SUBMITTED: 11Mar64

ENCL: 00

SUB CODE: ES

NO REF Sov: 000

OTHER: 010

JPRS

PAZDERAK, Jiri [Pazderak, Jiri]

Using color transition for determining the parameters of color  
image transmission. Tekh.kino i telev. 4 no.7:25-30 J1 '60.  
(MIRA 13:?)

1. Institut radioveshchaniya i televideniya, Chekhoslovakiya.  
(Color television)

PAZDERAK, Jiri, inz.

Theoretical determination of transfer parameters of color carrier information. Slaboproudny obzor 21 no.6:329-336 Je '60. (EEAI 9:10)

1. Vyzkumny ustav rozhlasu a televize, Praha.  
(Color television)

PAZDERAK, J.; PTACEK, M.

"French system of color television. p. 88."

SDELOVACI TECHNIKA. Praha, Czechoslovakia. Vol. 7, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass.

PAZDERAK, J., in.z., G.<sup>o</sup>.

Color distortion in a television flying spot scanner. Jeste  
mech opt 9 no.7:207-211 Jl '64

1. Research Institute of Radio and Television, Prague.

PAZDERAK, J., inz.

Flyingspot scanning of television images. Jemna mech opt 5 no.5:158-163  
My '60.

1. Vyskumny ustav rozhlasu a televize.

PAZDERAK, J.; PTACEK, M.

"Television colorimetry for a color television system with quadrature modulation of color components of the video signal." P. 342.

SLABOPROUDY OBZOR. (Ministerstvo presneho strojirenstvi, Ministerstvo spoju a Vedecka technicka spolecnost pro elektrotechniku pri CSAV). Praha, Czechoslovakia, Vol. 20, No. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

PAZDERAK, Jiri, inz., kandidat techn. ved.

Geometric distortion of the television image evaluation of the disturbance. Slabeproudý obzor 22 no.11:664-666 N '61.

1. Vyzkumny ustav rozhlasu a televize, Praha.

(Television)

80450  
Z/039/60/021/06/002/031  
E140/E263

6,6000

AUTHOR: Pazderák, J., Engineer

TITLE: Theoretical Determination of Transfer Parameters of  
Colour Carrier Information

PERIODICAL: Slaboproudý obzor, 1960, Vol 21, Nr 6, pp 329-336

ABSTRACT: The analysis is carried out from the point of view of transition between regions of one colour and luminance and a second colour and luminance. These transitions are the portion of colour television pictures which have the most disturbing effect on the viewer. The time trajectories for various transitions are found on the CIE colour chart. Optimal carrier frequencies for colour information are found with respect to the OIRT television standard. The bandwidth required for colour transitions with uniform participation of 1 : 1, 1 : 2, and 1 : 4 luminance contrasts is 1.9 Mc/s - 6 dB. The theoretical permitted overshoot is 4%. There are 15 figures, 4 tables and 11 references, 7 of which are English, 2 Czech, and 2 French.

Card 1/2

PAZDERKA, J

(8)

SURNAME (in cap); Given Name

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliation:

Source: Prague, Fysiatricky Vestnik, Vol XXXIX, No 4, August 1961,  
pp 215-219

Date: "The Effect of the Storage of Material and the Method of  
Withdrawal of Blood on Urea Content."

Authors:

JICHA, J

PAZDERKA, J

SALAVEC, M

CELLAROVA, J, Technical Associate (Technicka spoluprace)

Affiliations:

Central Laboratory (Ustredni laborator) - Brigade of social work  
(Brigada soc [socialni] prace), Faculty Hospital KUNZ [abbreviation  
not identified] (fakultni nemocnice KUNZ), Hradec Kralove; Chief  
(Prednosta): MUDr Josef Jicha  
Internal Clinic I of the Medical Faculty of Charles University (I interni  
klinika lekarske fakulty University Karlovy), Hradec Kralove; Chief  
(Prednosta): Prof MUDr Jan Rebor

2/3

PAZDERAK, J.

"Low-voltage technology at the Vienna Spring Fair of 1959." P. 392.

SLABOPROUDY OBZOR. (Ministerstvo presneho strojirenstvi, Ministerstvo spoju a Vedecka technicka spolecnost pro elektrotechniku pri CSAV). Praha, Czechoslovakia, Vol. 20, No. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

PAZDERAK, PTACEK.

"Recording of television signal on tape." p. 192.

SLABOPROUDY OBZOR. (MINISTERSTVO PRESNEHO STROJIRENSTVI, MINISTERSTVO SPOJU A VEDECKA TECHNICKA SPOLECNOST PRO ELEKTROTECHNIKU PRI CSAV.) Praha, Czechoslovakia, Vol. 20, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.  
Uncl.

PHOTOGRAPH OF THE T-33 AIRCRAFT.

VALUABLE INFORMATION CONTAINED IN THIS DOCUMENT IS UNCLASSIFIED  
EXCEPT AS NOTED. SOURCE: SP-175. DATE: 10-20-01 BY: SP-175

PHOTOGRAPH OF THE T-33 AIRCRAFT.  
VALUABLE INFORMATION CONTAINED IN THIS DOCUMENT IS UNCLASSIFIED  
EXCEPT AS NOTED. SOURCE: SP-175. DATE: 10-20-01 BY: SP-175

BLECHA, J.; PAZDERKA, J.; FRANK, M.

Level of total esterified fatty acids in the skin surface in the 1st  
year of life. Cesk. pediat. 18 no.2:97-103 F '63.

1. Detska klinika lekarske fakulty KU v Hradci Kralove, prednosta  
prof. dr. J. Blecha Ustredni laboratoare fakultni nemocnice v Hradci  
Kralove, prednosta dr. J. Jicha.  
(FATTY ACIDS) (SKIN)

KACER, V.; PAZDERKA, J.; KALISTA, V.; KHORT, J.

Level of some biogenic elements of the hypophysis in malignant tumors. Cas. Lek. Cesk. 103 no.17:465-466 Ap 24 '64.

l. II. chirurgicka klinika lekarske fakulty KU [Karlova Universita]  
v Hradci Kralove (prednosta prof. dr. J. Prochazka) a Ustredni  
laboratore fakultni nemocnice KUNZ [Krajsky uskav narodniho zdravi]  
v Hradci Kralove (vedouci MUDr. J. Jicha).

NEDCHOST, Ceske Budejovice; MOLY, Brno, primarily munis; PAKOS, Brno, primarily Czechoslovak; PAZURA, J., .

Experiences in waste water purification in Brno. Vomifat at 24. 1. 1971  
330-347 '64.

1. Brno City Water Supply Management, Brno - for all, except 1st item.
2. Hydroprojekt, Brno - for barriers .

CZECHOSLOVAKIA

SIMEK, J.; MELKA, J.; PAZDERKA, J.; HNECH, V.; PCSPIŠIL, M.; Chair of Physiology, Chair of Pathological Physiology, and Chair of Anatomy, Medical Faculty, Charles University (Katedra Fysiologie, Katedra Patologické Fysiologie, a Katedra Anatomie, Lek. Fak. UK), Hradec Kralove.

"Changes in Liver Tissue and Its Mitotic Activity After Insulin Administration to Rats that Underwent Partial Hepatectomy."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, pp 421-422

**Abstract:** The role of hypoglycemia which develops regularly after partial hepatectomy during the regulation of the development of the changes in the regenerated liver tissue was investigated. Administration of insulin increased the total content of lipids, protein nitrogen, ribonucleic and deoxyribonucleic acids. The mitotic index of rats who received insulin was 100% higher than in those who did not receive it. 5 Western, 2 Czech references. Submitted at the Plenary Meeting of the Physiological Section of the J. Ev. Purkyne Medical Society at Hradec Kralove, 2 Feb 66.

1/1

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APPROVED FOR RELEASE: 06/15/2009 CIA-RDP86-00513R001239730001-5"  
HUDLER, Libor; MEDICKA, Jiri; SIMER, Jiri; OHRNA, Josef; PAZDERKA,  
Jaroslav.

Cylindrical rotating oxygenator. (Preliminary report). Sborn.  
ved.prac.lek.fak.Karlov.Univ.(Hrad.Kral.) 6 no.3:239-244 '63.

1. Chirurgicka klinika (prednosta: prof., MUDr. J. Prochazka);  
Katedra veteckne chirurgie VLVDU (prednosta: doc., MUDr. A.  
Benes) a Ustredni biochemicka laborator (prednosta MUDr.  
J.Jicha), Universita Karlova.

\*

FAZDNERKA V., VACEK R., VALACH V., MEDNAR E., LISKA K., and MASEK R.

I. Path. - Anat. Ust. KU, Praha. \*Správné, prehlednute a mylné diagnózy, jejich častot a porovnání s pitevním poznáním. Correct, missed, and wrong diagnoses, their frequency and comparison with autopsy diagnoses, CAS. LXX. CES. 1974, 93/1- (21-254) Tables 4

In 1,000 autopsies from several clinics the clinical diagnosis had been correct in 71.8% almost correct in 52%, inadequate in 12.6% and wrong in 3.6%. Border limits of inadequate and wrong diagnoses together were 7 and 31%. It is felt that if the upper limit is 10% it may be considered as an excellent result; on the other hand, 20% lower limit means poor diagnostic quality. Šíkl - Prague

SO: Excerpta Medica  
Section V  
Vol. 7 No. 10

*Excerpta Medica 3/1 sec 16 Jan 55 Cancer*

174. PAZDERKA V. I. path-anat. Úst. K.U., Praha. Myxom srdeč Myxoma of the heart ~~Onkologický časopis 1954, 93/19 (519-522) Illus. 11~~

Among 24,300 autopsies, 2 cases of myxoma of the left auricle were found. In a male of 35 the tumour was situated on the posterior wall of the left auricle, which is an unusual localization. In a 15-year-old female the localization was typical, e.g. at the border of the foramen ovale. A case of myxosarcoma of the anterior wall of the left auricle in a 25-year-old man is also reported. Dvořáček - Olomouc

1 ALIZKA, ✓ 267

266. SWELLING OF THE LYMPH NODES IN RHEUMATOID ARTHRITIS  
RESEMBLING DERMATOPATHIC LYMPHADENITIS - Uzlinová reakce při  
progressivní polyarthritidě vzhledu dermatopathické lymfadenitidy - II 4) kova  
Z. Pažderka V. and Poláková Z. Fyziatrický a Balneol. Úst. KU,  
Praha - FYSIAT. VESTN. (Praha) 1957, 35/5 (273-276) Illus. 4

Nineteen patients (15 women) suffering from rheumatoid arthritis of the 2nd and 4th stages during chrysotherapy developed an auricle of skin and mucous membranes and enlarged lymph nodes in the axillae, groins or upper extremities. Lymph nodes were examined by biopsy. The microscopic finding was the same as in dermatopathic lymphadenitis. In the reticuloendothelial cells the presence of melanin and p.a.S.-positive substances was detected. Analogous changes were also found in controls who did not undergo chrysotherapy. The rheumatoid arthritis and the auricle can be regarded as factors which among other things can cause dermatopathic lymphadenitis or make existing changes in the lymph nodes more marked.

(VI, 13, 19)

JAROLIM, V.; PAZDERKA, V.

Simultaneous inflammation of cardiac and striated muscle. Rev. Czech.  
M. 4 no.3:255-259 1958.

1. University Health Centre, Prague 2. Director: V. Jarolim.  
First Institute of Pathology, Charles University, Prague.  
(MYOCARDITIS, case reports  
fatal case with simultaneous myositis, pathol.  
(MYOSITIS, case reports  
fatal case with simultaneous myocarditis, pathol.)

VORREITH, M.; VITOVSKA, M.; PAZDERSKA, V.

Intestinal lipodystrophy (Whipple's disease). Cas. lek. cesk. 97 no.40:  
1250-1255 3 Oct 58.

1. Patologickoanatomicke oddeleni Ustredni vojenske nemocnice nacelnik  
pplk. M. Vorreith II vnitri odd. Ustredni vojenske nemocnice, nacelnik  
gen J. Sracka Hlavna I patologicka-anatomicky ustanov KU v Praze.  
(LIPODYSTROPHY, case reports  
intestinal (Pol))  
(INTESTINES, dis.  
lipodystrophy, case reports (Cz))

BEDNAR, B.; PECHACEK, E.; BRAUN, A.; JIRASEK, A.; LISKA, K.; PAZDEJKA, V.;  
STEJSKAL, J.; STEJSKALOVA, A.; VALACH, V.; VORREITH, M.

Neoplasms of the central nervous system. Acta univ. carol.[Med] 1960:  
1-102 '60.

(CENTRAL NERVOUS SYSTEM neoplasms)

LENOCH, F.; POLAKOVA, Z.; PAZDERKA, V.; ADAM, M.

Experimental neurogenic arthropathy. Cas. lek. cesk. 103 no.19:  
505-508 8 My'64

1. Vyzkumny ustav chorob revmaticich v Praze; reditel: prof.  
dr. F. Lenoch, DrSc.

PAZDERKA, V.; HAJKOWA, Z.; KADLOCOVA, L.; POLAKOVA, Z.

Round-cell infiltrates in skeletal muscles in progressive  
polyarthritis. Sborn.lek.62 no.12:365-370 D '60.

1. I. patologicky ustanov fakulty všeobecného lékařství University  
Karlových, prednosta prof.dr. B.Bednář; Fyziatrický a balneologický  
ustav fakulty všeobecného lékařství University Karlových; Výzkumný  
ustav chorob revmatických v Praze, prednosta prof.dr. Fr.Lenoch;  
I. dětská ortopedická klinika pediatrické fakulty University Karlových,  
prednosta prof.dr. O.Hnevčovský.  
(ARTHRITIS RHEUMATOID pathol)  
(MUSCLES pathol)

PAZDERKA, Veroslav

Coronary obstruction and myocardial infarct. Acta Univ. Carol.  
[med.] (Praha) 9 no.7:597-604 '63

1. I Patologickoanatomicky ustav fakulty vseobecneho lekarstvi  
University Karlovy v Praze; prednosta : prof. MUDr. B.Bednar,  
DrSc.

PAZDERKA, V. (Praga)

Obstruction of the coronary artery and myocardial infarct.  
Arkh. pat. no.1:29-33 '63. (MIRA 17:10)

1. Iz 1-go patologoanatomiceskogo instituta imeni Ya. Glavy  
pri Karlovom universitete v Prage (dir.- doktor meditsiny prof.  
B. Bednarash [B. Bednar]).

STREKA,A.; PAZDERKA,V.

Width of the articular fissures of the hand in progressive polyarthritis. Cesk. rentgen. 18 no.3:174-180 My'64

1. Vyzkumny ustav chorob revmaticych v Praze (reditel: prof. dr. F. Lenoch, DrSc.) a Hlavuv I. patologickoanatomicky ustav fakulty vseobecneho lekarstvi KU v Praze (prednosta: prof. dr. B. Bednar, DrSc.).

\*

PAZDERKA, Z.; ZOUPLOVA, J.; BUKOVSKA, A.

Electrical aerosol apparatus - our experiences with treatment of  
ENT diseases. Cesk. otolaryng. 12 no.1:31-37 F '62.

1. ORL oddeleni OUNZ v Pribrami, prednosta MUDr. Z. Pazderka.  
(AEROSOLS) (OTO~~H~~NOLARYNGOLOGY) (EQUIPMENT AND SUPPLIES)

PAZDERNIK, J.

Fourth Seminar on Water Courses and Radioisotopes.  
Vodni hosp 13 no.10:400 '63.

PAZDERNIK, J.

A symposium concerning water polluted with radionuclides. p. 415.

VODNI HOSPODARSTVI. (Ministerstvo energetiky a vodniho hospodarstva a  
Vedecka technicka spolecnost pro vodni hospodarstvi) Praha, Czechoslovakia.  
No. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,  
November 1959.

Uncl.

PAZDERNIK, J.

Decontamination of radioactive laundry waste water. p. 271.

VODNI HOSPODARSTVI. (Ministerstvo energetiky a vodniho hospodarstvi  
a Vedecka technicka spolecnost pro vidni hospodarstvi) Praha,  
Czechoslovakia, No. 6, June 1959.

Monthly List of East European Accession (EEAI), LC Vol.9, no. 2,  
Feb. 1960.

Uncl.

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PACIFIC, U.S. promovny velenie

FBI - National Technical Information Service - 1970  
Report 16-100-144-160

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239730001-5"

PAZDEROVA, J.

Acute pulmonary lithiasis after being covered with cement.  
Prac. lek. 15 no.5:211-212 Je '63.

1. Klinika nemoci z povolani fakulty vseobecneho lekarstvi KU  
v Praze, prednosta prof. dr. J. Teisinger, DrSc.  
(INDUSTRIAL ACCIDENTS) (LUNG DISEASES)  
(CAICULI)

CZECHOSLOVAKIA

PAZDEROVA, J., Clinic for Occupational Diseases (Klinika nemoci z povolani), Faculty of General Medicine (Fakulta vseobecneho lekarstvi), Charles University, Prague, Prof. Dr. J. TEISINGER, Dr of Sciences, director.

"Acute Pulmonary Lithiasis After the Patient Was Buried by Cement"

Prague, Pracovni Lekarstvi, Vol XV, No 5, June 63, pp 211-212.

Abstract [Author's English summary]: A 61 years old male was buried under cement dust. He developed conjunctivitis with damage to the cornea, inflammation of nasopharynx, pharynx and bronchi with expectoration of cement concrements during six weeks following injury. The patient was healed completely. Three references, including 1 Czech and 1 Russian.

1/1

PAZDERNIK, Jan, promovany chemik; MANSFELD, Adolf, promovany chemik

Continuous measurement of water radioactivity. Vodni hosp 13  
no. 3:105-107 '63.

1. Vyzkumny ustav vodohospodarsky, Praha.

CZECHOSLOVAKIA

VANASEK, J; SHIB, A; HAZAK, J; HAFKA, F; NEKOMA, O; PABLOVSK, J.

1. Military Research and Premedicine Institute JEP (Vojensky lekarsky vynikomy a dospelovaci ustav JEP), Hradec Kralove; 2. Second Internal Medicine Clinic LF MU (II. vnitri urovnika LF MU), Hradec Kralove; Central Biochemical Laboratory KUNZ of the Faculty Hospital (Ustredni biochemicka laborator KUNZ- Fakultni nemocnice), Hradec Kralove

Prague, Vnitri laboratori, No 11, 1963, pp 1073-1080

"Contribution to the Assessment of the Evolution of Haemochromatosis."

PAZDERSKI, T.; CHMILAK, A.; LEDOCKOWSKI, A.

Synthesis of 2-oxyacridine. p. 1365.

ROZENKI CHEMII. WARSZAWA, Poland. Vol. 32, no. 6, 1958.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959  
Uncl.

KNEZ, Vaclav, inz.; PAZDERSKY, Karel

Effect of the pricking method on the ripening and quality of  
Niva cheese aging under a wax coating. Prum potravin 14 no.8:  
420-424 Ag '63.

1. Vyzkumny ustav mlekarensky, Praha (for Knez).
2. Vychodoceske mlekarny, n.p., Pardubice (for Pazdersky).

MONTIL'IO, I.A.; PAZDNIKOV, I.P.

Forms of the occurrence of alumina in melts of the system  
FeO - SiO<sub>2</sub> - Al<sub>2</sub>O<sub>3</sub>. Zhur. fiz. chim. 39 no.4:993-996 Ap '65.  
(ZBA 19:1)

1. Submitted March 20, 1964.

ZHURAVLEV, M.M.; GAVRILOV, L.K.; PAZDNIKOV, P.A.

Studying conditions of the electrodeposition of copper from sulfate solutions in presence of iron, zinc, cadmium cations, and  $\text{NO}_3^-$  anions. Trudy Inst. met. UFAN SSSR no.4:51-58 '58.

(MIRA 12:10)

(Copper--Electrometallurgy)

FRISHEBERG, I.V.; PAZDNIKOV, P.A.; GAVRILOV, L.K.

Certain prerequisites for the electrolytic preparation of lead sponge from alkali metal chloride solutions and selection of insoluble anodes for electrolysis. Trudy Inst. met. UPAN SSSR no.4:59-64 '58. (MIRA 12:10)  
(Lead--Electrometallurgy)

*PAZDNIKOV, P.A.*

## PAGE 1 BOOK REFERENCES

REV/26/53

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|---|-----|
| Abrams, M.M., G.V. Kostylev. <u>Electro Metallurgy</u>  | 61  |
| Voprosy Issledovaniya i Prilozheniya Ogranichennykh Metalloidov v Metalurgii [Problems of Control and Complete Utilization of Non-Metals in Metallurgy]. Izd. Leningr. Sverdlovsk. 1960. 198 p. (Series: Metall. Vyp. 5) Erstausgabe. 1,000 copies printed.   | 61  |
| Dolg. M.M., I.Z. Ushakov, and V.P. Chernovrotova. <u>Conditions of Technical Maintenance. Sh. of Publishing House: L. M. Dushin</u> . Tech. Eds.: L. A. Lisenkov, and N. T. Svetlichnaya.   | 41  |
| <b>PURPOSE:</b> This collection of articles is intended for technical personnel of metallurgical plants, and for members of scientific research institutes.   |     |
| <b>CONTENTS:</b> The collection contains articles discussing a variety of problems pertaining to ferrous and nonferrous metallurgy. A number of articles describe new methods for investigating the properties of alloys and various new ways of changing these properties. Several of the effect of temperature and other factors. Results of studies are summarized in numerous articles and promises to be used for manufacturing ferroalloys and nonferrous-alloyed steels are presented. Characteristics of various metal compounds are given and measures for their more efficient utilization are also indicated. Some of the articles are devoted to the study of problems of characteristics of pure, nonferrous, and rare metals. The selection of topics was made on the basis of the need for material relating to the improvement of quality control of alloying and the development of processes for recycling scrap metal. So far as possible, the most promising methods are described by performers, and available are briefs. |     |
| Dolgik, V.T. <u>On the Problem of Producing Naturally-Alloyed Vanadium Steel Free from Vanadium Pig Iron Free of Sulfur and Phosphorus by Blowing</u>   | 41  |
| Dolgik, V.T. <u>The Action of Carbon Monoxide on the Iron Oxide Reduction Process</u>   | 61  |
| < Dostoev, V.P. <u>Secondary Reduction of Iron Monoxide</u>   | 69  |
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| < Shestopalov, A.I., and P.A. Medvedeva. <u>Effect of Certain Factors on the State of Classification of Magnetite</u>   | 165 |
| < Radulov, P.A., and Z.I. Pol'skaya. <u>On the Recovery of Sulfuric Acid and Sulfate Salts From Flue Gases</u>  | 173 |
| AVAILABILITY: Library of Congress   | 165 |

SOV/137-58-12-24277

Translation from: Referativnyy zhurnal Metallurgiya, 1958, Nr 12, p 50 (USSR)

AUTHORS: Pazdnikov, P. A., Pavlov, F. N

TITLE: Dewatering and Thermal Decomposition of Iron Sulfates in Complex Sulfate Solutions (Obezvozhivaniye i termicheskoye razlozheniye sulfatov zheleza iz slozhnykh sulfatnykh rastvorov)

PERIODICAL: Izv. Sibirsk otd. AN SSSR, 1958, Nr 2, pp 51-56

ABSTRACT: In order to remove Fe from complex sulfate solutions obtained in hydrometallurgical treatment of polymetallic concentrates, a method of thermal decomposition of the Fe sulfates is proposed. Conditions of concentration and selective thermal decomposition are studied. At 620-240° virtually complete decomposition of Fe sulfate takes place without decomposition of Cu, Zn, and Cd sulfates. When the pyrite cinders are leached by water, these sulfates go into solution, and it is virtually pure Fe oxide containing 0.5-0.86% Cu and 1.58-2.5% Zn that remains in the insoluble residue. A model of an equipment of the shaft-furnace type for dewatering and decomposition of Fe sulfates is tested.

L P.

Card 1/1

137-58-6-11952

Translation from *Referativnyy zhurnal, Metallurgiya*, 1958, Nr 6, p 109 (USSR)

AUTHOR Pazdnikov, P.A.

TITLE Progress in Process Procedures for Complex Utilization of  
Copper-and-zinc Concentrates (Novoye v tekhnologii kompleks-  
nogo ispol'zovaniya medno-tsinkovykh kontsentratov)

PERIODICAL: *Izv. vost. fil. AN SSSR*, 1957, Nr 6, pp 64-73

ABSTRACT On a laboratory scale, there is developed a method of complex treatment of combined Cu-Zn concentrates containing 4-6% Cu and 6-12% Zn by hydrosulfation (HS) with  $\text{HNO}_3$ ,  $\text{HNO}_2$ , a mixture of N oxides, and air. A concentrate pulp, with a 1:1 solid-to-liquid ratio is subjected to HS in a continuous counter-current column. Oxidation of the sulfides proceeds intensively at 90-100°C (10-15 min) with liberation of much heat. Cu, Zn, Fe, and ~85% of the S go into solution as sulfates.  $\text{PbSO}_4$  remains in the precipitate, as do elementary S, Au, Ag, and gangue. The liberated NO and  $\text{N}_2\text{O}_3$  may be trapped and oxidized by atmospheric  $\text{O}_2$  to the state of a mixture of higher oxides of  $\text{N}_2$ , which are absorbed by water and returned to the process in the form of a mixture of  $\text{HNO}_3$  and  $\text{HNO}_2$ . The HS

Card 1/3

137-58-6-11952

Progress in Process Procedures (cont.)

residue is heated in a retort at 600° to drive off the S, is then subjected to a chlorinating roasting at 200° with addition of 20% KCl, and the Pb is leached out by an aqueous NaCl solution. The leaching residue, containing up to 80% SiO<sub>2</sub> and precious metals, may be used as a flux in copper smelters. The HS solution, containing 83-90 g Fe, 260-290 g SO<sub>4</sub><sup>2-</sup>, and 20-60 NO<sub>3</sub>/liter, is evaporated, and the residue roasted at 600-650° in a special shaft furnace with a raking mechanism on the hearth. In this process the FeSO<sub>4</sub> converts to Fe<sub>2</sub>O<sub>3</sub>, the H<sub>2</sub>SO<sub>4</sub>, SO<sub>2</sub>, SO<sub>3</sub>, and N<sub>2</sub> oxides are driven off and trapped. The cinders are leached with water, and the Cu, Zn, Cd, and a small portion of the Fe go into solution as sulfates. The residue (Fe<sub>2</sub>O<sub>3</sub> containing  $\leq 0.5\%$  Cu and  $\leq 1\%$  Zn) is reduced with charcoal at 900-1000°, yielding Fe powder (Fe~99%, Cu~1%). The Zn is driven off. The solution is freed of Zn by adding ZnO or Ca(OH)<sub>2</sub> and is subject to electrolysis for Cu in two stages first to 6-10 g Cu/liter in the solution, and then to 1 g/liter. The solution (~150 g Zn/liter) is neutralized by CaO, the Cu and Cd are precipitated by powdered Zn, and the Zn is separated out by electrolysis. The used electrolyte (Zn 25-27 g/liter and H<sub>2</sub>SO<sub>4</sub> ~180 g/liter) is reworked to ZnSO<sub>4</sub> and H<sub>2</sub>SO<sub>4</sub> by thermal dehydration or returned to the HS for trapping the N oxides. The process permits extraction of the following percentages from Card 2/3

137-58-6-11952

Progress in Process Procedures (cont.)

the concentrates: Cu 97.6, Zn 97.25, Pb 96, Cd 80, Au+Ag 90, Fe 96, and S 90 (of which 20% is in the form of nodulized S, and 70% in the form of  $H_2SO_4$ ).

Ye. Z.

1. Copper ore--Processing    2. Zinc ore--Processing    3. Sulfides--Oxidation  
4. Minerals--Separation

Card 3/3

137-58-6-11867

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 98 (USSR)

AUTHORS: Pazdnikov, P.A., Volkova, P.I.

TITLE: Hydrosulfating Sulfide Concentrates and Intermediates by Nitric Acid and Its Decomposition Products (Gidrosul'fatizatsiya sulfidnykh kontsentratov i promproduktov azotnoy kislotoy produk-tami yeye razlozheniya)

PERIODICAL: Izv. vost. fil. AN SSSR, 1957, Nr 9, pp 69-73

ABSTRACT: A new method of hydrosulfating sulfide concentrates by nitric acid and its decomposition products has been developed. The possibility of virtually complete sulfating of metals from sulfides, with regeneration of the reactants, is demonstrated. The actual consumption of weak (sp. gr. 1.35)  $\text{HNO}_3$  in this process is  $\leq 5\%$ . Extraction of Cu, Zn, Cd, and Fe in the solution attains 98-100% and up to 89% S from complex Cu-Zn concentrates. Meanwhile the concentration of Pb and precious metals in the residue is multiplied by 5-8 times. A method for the distillation of S and for the low-temperature chlorinating roasting and leaching of  $\text{PbCl}_2$ , permitting extraction of 96-99.8% Pb in the solution, has been developed. An industrial equipment

Card 1/2

Hydrosulfating Sulfide Concentrates (cont.)

137-58-6-11867

(a column for hydrosulfating sulfide concentrates) has been tested.

1. Metals--Sulfation    2. Nitric acid--Applications    3. Ores--Processing    G.S.

Card 2/2

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| <p><b>P A Z D N T K O V , P . A .</b></p> <p><b>Material and Steel. Institute metallurgist.</b></p> <p><b>Book, Vol. 1 (Transactions of the Institute of Metallurgy, Ural Branch, All-Union Academy of Sciences, USSR) No. 1) Sverdlovsk, 1958. 157 p. Errata slip inserted. 1,000 copies printed.</b></p> <p><b>Material Board: P.A. Vekhov (team, M.L.), Candidate of Technical Sciences and Metallurgist, Professor, Doctor; V.I. Miller, Professor; P.A. Petrenko, Candidate of Technical Sciences (team) and L.D. Litvinov, Candidate of Technical Sciences; N.M. Baranovskiy.</b></p> <p><b>Summary:</b> This book is intended for ferrous and nonferrous metallurgists.</p> |     |
| <p><b>Abstract:</b> The book presents results of investigations of chemical properties of new materials in ferrous and nonferrous metallurgy and gives information on the development of new production processes in the metallurgical and chemical industries. The articles were written by junior members and experienced specialists of the scientific staff of the Institute of Metallurgy, Chemistry, and Electrometallurgy, Ural Branch, Academy of Sciences, USSR. Phase Compositions and B.M. Logarithms. Electrical Resistances</p>   | 25  |
| <p><b>Shchegolev, G.D., and P.A. Vekhov. On the Separation of Fe(II) and the Pressure of Saturated Vapor on the Separation of Fe(III) and the Pressure of Saturated Vapor</b></p>  | 19  |
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| <p><b>Shchegolev, N.M., I.M. Gurevich, and I.M. Pashkov. Investigation of the Redox Conditions for Electroreduction and Electrooxidation of Copper(II) Polyhalide Solutions of the Iron, Zinc, and Cadmium Cations and the Nitrate Anion</b></p>   | 21  |
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PAZDNIKOV, P.A.; BOGDASHEV, V.F.; DYN'KINA, S.Ye.; PITIRIMOVA, G.I.

Obtaining commercial-grade sponge iron from wastes and its use for  
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PAZDNIKOV, P.A.

New technology of the complete utilization of copper-zinc concentrates. Trudy Inst. met. UFAN SSSR no.2:201-217 '58.

(Copper ores)      (zinc ores)      (Ore dressing)      (MIRA 12:4)

PAZDNIKOV, P.A.; VOLKOVA, P.I.

Oxidation of sulfide concentrates and semifinished products of  
their treatment with nitric acid and with its decomposition ele-  
ments. Trudy Inst. met. UPAN SSSR no.2:219-225 '58.

(Sulfides--Metallurgy)

(Nitric acid)

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AUTHORS: Pavlov, F. N., Paznikov, P. A.

TITLE: A Method for the Separation of Iron From a Mixture of Metallic Sulfates by Thermal Decomposition of the Iron Sulfates (Metod vydeleniya zheleza iz smesi sulfatov metallov putem termicheskogo razlozheniya sul'fatov zheleza)

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ABSTRACT: In order to separate the main mass of Fe from complex sulfate solutions formed during hydrometallurgical processing of iron, the author concentrates the method of thermal dewatering of the sulfate solution and a selective decomposition of the Fe sulfates to  $Fe_2O_3$  at 600 - 650°C. All these processes can be performed in a single apparatus, namely, a shaft kiln equipped for atomizing the sulfate solution. As a result of dewatering and decompositon in the kiln there remains a powder consisting of  $Fe_2O_3$  and sulfates of Zn, Cu, Cd, etc., which cannot be decomposed because of their greater stability. In leaching out of the powdery scoria with water, the

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undecomposed sulfates of Cu, Zn, Cd, and others pass into solution while  $\text{Fe}_2\text{O}_3$  is separated in the form of insoluble precipitates. The  $\text{Fe}_2\text{O}_3$  obtained contains 57.97 - 59.72% Fe, 0.5 - 0.86% Cu, and 1.58 - 2.54% Zn; it can be used without further treatment in paint preparation or as jeweler's rouge. When  $\text{Fe}_2\text{O}_3$  is reduced at 900 - 1000° a powder of cuprous Fe can be produced. The filtrate remaining after the separation of  $\text{Fe}_2\text{O}_3$  can be used for the separation of Cu and Cd and in the preparation of metallic Zn by electrolysis.

N. P

Card 2/2

GAVRILOV, L.K.; ZHURAVLEV, M.M.; PAZDNIKOV, P.A.

Electrodeposition of copper from sulfate electrolytes in presence  
of zinc and iron. Trudy Inst. met. UFAN SSSR no.2:235-242 '58.  
(MIRA 12:4)  
(Copper--Electrometallurgy)

PAZDNIKOV, P.A.; PAVLOV, F.N.

Dehydration and thermal decomposition of iron sulfates from complex  
sulfate solutions. Izv. Sib. otd. AN SSSR no.2:51-56 '58.  
(MIRA 11:9)

1.Ural'skiy filial AN SSSR.  
(Iron sulfates) (Hydrometallurgy)